

LISTING OF CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled).
2. (Currently amended) ~~The process in of Claim 1 wherein step (c) further comprises attaching the feed line to the coker vessel at a side entry position~~ A process for repetitively producing and removing coke from a delayed coker vessel, wherein the coker vessel has a bottom portion defining an aperture through which coke is released, comprising:
 - (a) Sealing an aperture closure housing to the bottom portion of the coker vessel;
 - (b) moving a closure member within the closure housing to close the aperture;
 - (c) feeding a heavy hydrocarbon feed into the coker vessel through a feed line attached to the coker vessel at a side entry position above the bottom of the coker vessel;
 - (d) coking the heavy hydrocarbon in the coker vessel;
 - (e) moving the closure member within the closure housing to open the aperture to allow coke removal from the coker vessel; and
 - (f) releasing coke through the aperture, and;

(g) repeating steps b through f successively.

3. (Currently amended) The process in of ~~Claim 1~~ Claim 2 wherein step (a) further comprises sealing a transition spool piece to the coker vessel bottom and attaching the feed line to the spool piece at a side entry position.

4 – 5. (Canceled).

6. (Currently amended) The process of ~~Claim 1~~ Claim 2 wherein step (a) further comprises sealing a coke chute to the bottom portion of the aperture closure housing.

7. (Canceled).

8. (Currently amended) The process of ~~Claim 2~~ Claim 6 wherein step (a) further comprises placing a gasket between the bottom of the closure unit and the coke chute and pressure-tightly joining the closure unit, the gasket and the coke chute.

9. (Currently amended) The process of ~~Claim 7~~ of 8 wherein the gasket comprises an annular corrugated metal bonded to a graphite material.

10. – 18. (Canceled).

19. (Withdrawn) A coker vessel comprising:

(a) a vessel having a flanged side aperture and a flanged bottom aperture;

(b) a flanged feed pipe fitted to said flanged side aperture;

(c) an aperture closure unit fitted and sealed to said bottom aperture;

- (d) a closure member moveable within said closure unit;
- (e) A coke chute sealed to the bottom portion of the closure unit for directing coke from the vessel to a receiving area.
20. (Withdrawn) The coker vessel of Claim 19 wherein the closure member comprises a valve.
21. (Withdrawn) The coker vessel of Claim 20 wherein the valve is a gate valve, a ball valve, a slide valve, a knife valve or a wedge plug valve.
22. (Withdrawn) The coker vessel of Claim 20 wherein the valve further comprises a power actuated valve.
23. (Withdrawn) The coker vessel of Claim 20 wherein the bottom aperture is from 30 to 90 inches.